

Jose Carrillo

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Skills

Programming:

Java

Python

Ruby

C/C++

Objective-C

Ruby on Rails

HTML/XML

Visual Basic

.NET

MATLAB

Cocoa Touch

Hadoop

Amazon EC2

MapReduce

Heroku

Eclipse

Visual Studio

Git

Andorid

iOS

Web Development

Hardware Design:

NI Multisim

LTSpice

NI LabView

NI UltiBoard

Industrial Hardware:

PLC's

Rockwell Hardware

ASTM Standards

TCP/IP

EtherNet/IP

Design:

Rhino 3D

AutoCAD

Photoshop

3DS Max

SolidWorks

Languages:

English

French

Spanish

Education

UNIVERSITY OF CALIFORNIA, BERKELEY

MAY 2014

B.S. Electrical Engineering & Computer Science: GPA 3.0

United Space Alliance/MAES Scholarship, NACME Scholarship, READ Scholar, UC Berkeley Scholarship, Lockheed Martin HENAAC Scholar.

Relevant Coursework

Artificial Intelligence, Analog IC Design, Signals Processing, Systems Analysis, Semiconductors, Microelectronic Devices, Circuit Design, Integrated Circuits, Computer System Design Structures, Data Structures, Engineering Design and Analysis, Software Engineering, Discrete Mathematics and Probability Theory, Computer Aided Design.

Experience

ESS PEER ADVISOR, COLLEGE OF ENGINEERING, BERKELEY, CA

AUG 2012-PRESENT

Collaborated on a team helping the department create great advising opportunities for undergraduates.

CONTROLS ENGINEERING INTERN, UNIVERSAL CREATIVE, ORLANDO, FL

MAY 2012-AUG 2012

Intern with the electrical engineering and control systems team. Helped design, develop, and prototype cutting edge control systems for new unannounced guest experiences. Designed control circuitry, theory of operations, and fail-safe wireless communication control systems. Worked on a team and helped develop a new form of safe uninterruptable wireless communication for moving trains. Praised by management for my quality of work.

INTERN, UNIVERSAL CREATIVE, ORLANDO, FL

JUNE 2009-APRIL 2010

First high school intern at Universal Creative. Aided in the development of mechanical, electrical, and robotic control systems on projects like the Hollywood Rip Ride Rockit roller-coaster and the Wizarding World of Harry Potter.

Projects, Competitions & Hacks

- Saas Agile Development Project: Partnered with Freedom House to develop a full web app solution using machine learning. Ask me!
- Arduino. Ask me!
- MapReduce Hadoop Project on Amazon EC2
- PAC-MAN Artificial Intelligence Project
- Game Tree Search Project
- Logo Programming Language Interpreter Project
- Fast Matrix Multiplication Project
- EEG Signals Processing PCB Project
- AM Radio Design Project
- Diabetic iPhone App: Designed an app that helps predict blood glucose levels for a customer.
- UC Berkeley Web App Competition 4th place
- Disney ImagiNations 2013 Competition
- Campbell's Hack The Kitchen Competition: Competition still ongoing, selected as semi-finalist.

Awards, Achievements & Activities

Hispanic Engineers & Scientist SHEP Chapter, CalSol (Berkeley solar car team), US FIRST Robotics FTC Challenge 2nd Place.